

### REMARKS

Reconsideration of this application is respectfully requested in view of the foregoing amendment and the following remarks.

Claims 1-17 are now pending in the application. Some minor errors in the Specification have been amended as the Examiner suggested. Claims 1, 9 and 16 have been amended. The basis for the amended claims may be found throughout the specification, drawings and claims of the original application, and no new matter is entered. The Examiner is respectfully requested to reconsider and withdraw the rejection(s) in view of the amendments and remarks contained herein.

### 35 U.S.C. § 102 Rejections

The Examiner rejected claims 1-5 and 9-13 under 35 U.S.C. 102(b) as being anticipated by Kim et al. (U.S. patent No. 6,429,909). This rejection is respectfully traversed at least for the reasons provided below.

In the § 102 rejection, the Examiner states that Kim et al. Figures 26-27 discloses a liquid crystal display device and a manufacturing method of the same comprising a substrate 10, a first gate line 101, a second gate line 102 insulated from the first gate line (see Figure 27), an insulation layer, a thin film transistor including a semiconductor layer 300, a data line 400 overlapping a first portion of the first gate line 101, a passivation layer 500, a pixel electrode 600 overlapping a second portion of the first gate line 101 and overlapping the second gate line 102.

In Figure 26 of Kim, the first gate line 101 and second gate line 102 are parallel with

each other. However, according to Figure 26 of Kim et al., the first gate line and the second gate line, instead of being insulated from each other, are connected with each other by a connecting line 104. Figure 27 is just a cross-sectional view taken along line XXVII-XXVII' in Figure 26, and therefore Figure 27 only indicates that the first gate line 101 and the second gate line 102 are insulated from each other at sectional line XXVII-XXVII', while other portions being non-insulated from each other. On the contrary, the present invention provides a first gate line and a second gate line, which are insulated from each other.

Moreover, as amended, the first gate line and the second gate line are non-parallel to each other. Support for this amendment can be found at least in Figs. 1a and 2a and their associated description on pages 1 and 2, paragraphs [0010], [0019] and [0023].

Therefore, the Applicant respectfully submits that there is no teaching, suggestion, or motivation of Kim et al. supporting that two gate lines are insulated from each other and are non-parallel to each other.

### **35 U.S.C. § 103 Rejections**

The Examiner rejected claims 6, 13 and 16-17 under 35 U.S.C. 103(a) as being unpatentable over Kim et al. in view of Nakata (U.S. patent No. 20020191124).

The Applicant respectfully traverses the rejections based on the amended claims.

As described above, Kim et al. discloses two parallel gate lines which are connected by a connecting line. Therefore, the combination of Kim et al. and Nakata can not produce the

characteristics of the present invention, which has the first gate line being non-parallel to and insulated from said second gate line.

The Applicant respectfully submits that independent claims 1, 9 and 16 are allowable over the cited arts. In addition, claims 2-8, 10-15 and 17 which directly or indirectly depend on patentable claims 1, 9 and 16, and further limit the scope, are believed also to be patentable.

#### **Allowable Subject Matter**

The Examiner has objected to claims 7-8 and 14-15 as being dependent upon a rejected base claim, but has indicated that the claim would be allowable if rewritten in independent form to include all of the limitations of the base claim and any intervening claims. However, as described above, the Applicant respectfully submits that independent claims 1 and 9 are allowable over the cited arts. In addition, claims 7-8 and 14-15 which directly or indirectly depend on patentable claims 1 and 9, and further limit the scope, are believed also to be patentable.

#### **Conclusion**

In light of the above remarks, the Applicant respectfully submits that pending claims 1-17 are in condition for allowance, and respectfully request the withdrawal of the rejections. Accordingly, a Notice of Allowance is respectfully requested.

In view of the foregoing all of the claims in this case are believed to be in condition for allowance. Should the Examiner have any questions or determine that any further action is

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desirable to place this application in even better condition for issue, the Examiner is encouraged to telephone applicants' undersigned representative at the number listed below.


Applicant respectfully inquires as to the status of the above-identified patent application, and when the next communication from the United States Patent and Trademark Office regarding this application may be expected.

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Respectfully submitted,

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